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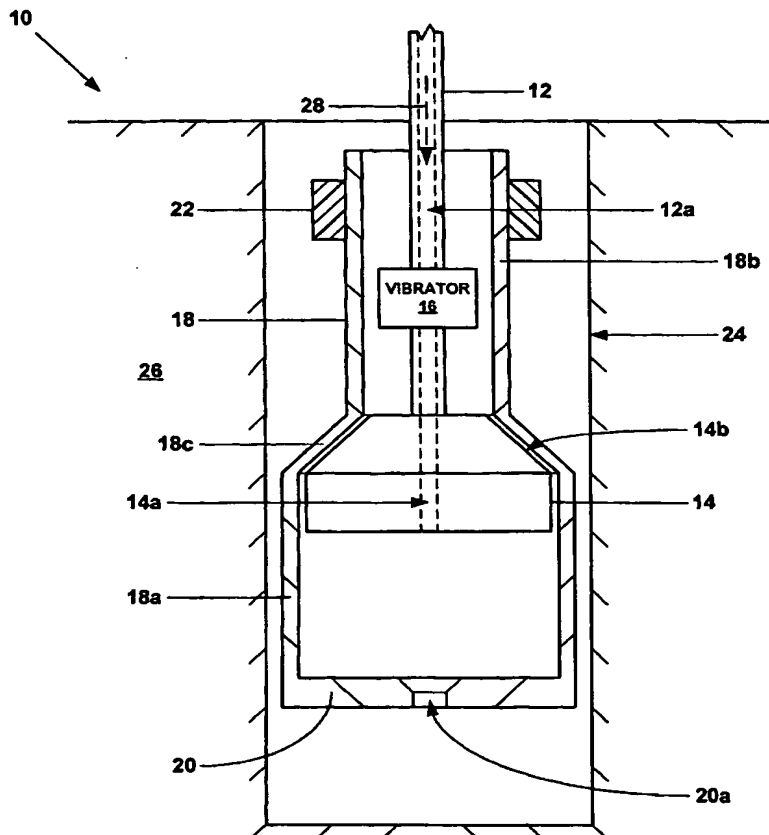
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(54) Title: SYSTEM FOR RADIALLY EXPANDING TUBULAR MEMBERS



(57) Abstract: A system for radially expanding tubular members (18) includes an expansion device (14) and a vibratory device (16) that generates vibratory energy for agitating at least one of the expansion device (16) and/or the expandable tubular member (18).

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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/38550

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : E21B 43/10, 28/00, 29/10

US CL : 166/207, 380, 177.6

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 166/207, 380, 177.6, 55.1, 277, 384, 206-217, 242.2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST: vibrator, tubular, expansion, frequency

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------------|---|--|
| X,P — Y,P | WO 03/064813 A1 (e2TECH LIMITED) 7 August 2003 (07.08.2003), pages 3-18. | 1-8,15-37,46-70,79-110 |
| Y | US 4,384,625 A (ROPER et al) 24 May 1983 (24.05.1983), column 6, lines 50-54, figure 1. | 9-16,38-45,71-78 9-16,38-45,71-78 |
| X | US 4,204,312 A (TOOKER) 27 May 1980 (27.05.1980), column 2, lines 14-51, figure 1. | 1,2,16,25,27,31,32,47 56,58,62- 65,80,89,91,95,102,106-108 |
| A | US 1,166,040 A (BURLINGHAM) 28 December 1915 (28.12.1915), page 1, lines 71-91. | 1,31,64,102 |
| A | US 6,464,014 B1 (BERNAT) 15 October 2002 (15.10.2002), column 5, lines 27-41. | 1,31,64,102 |

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☐ See patent family annex.

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